

Title (en)
Laminator for corrugated paperboard sheets

Title (de)
Wellpappebögenkaschiermaschine

Title (fr)
Dispositif de laminage de feuilles en carton ondulé

Publication
EP 0733467 B1 20020109 (EN)

Application
EP 96302001 A 19960322

Priority
US 40946895 A 19950323

Abstract (en)
[origin: EP0733467A2] A laminator for applying pre-printed labels (10) to a single face corrugated web (12) to form double face corrugated sheets utilizes a control system including accurate leading and trailing edge detection of the labels (10) to custom cut the corrugated web (12) to match the label length in a manner which assures complete and uniform coverage of the glued flute tips of the corrugated web by the labels. The labels are fed non-stop as a series of spaced sheets (10) into a laminating nip (11) to join the leading edge (31) of the travelling single face corrugated web (12). A positioning nip (33) upstream of the laminating nip (11) varies the speed of the incoming sheets (10) to accurately match sheet leading edge (33) to web leading edge (31). Detection of the sheet trailing edge (34) triggers operation of the web cut-off knife (20) to accurately match the corresponding cut trailing edge (40). <IMAGE>

IPC 1-7
B31F 1/28; **B32B 31/04**; **B65H 5/00**

IPC 8 full level
B31D 1/02 (2006.01); **B31F 1/24** (2006.01); **B31F 1/28** (2006.01); **B32B 3/28** (2006.01); **B65H 35/00** (2006.01); **B65H 37/04** (2006.01)

CPC (source: EP KR US)
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Cited by
EP2305463A1; CN103738754A; IT202000009670A1; DE10331357A1; GB2389559A; GB2389559B; WO2021224747A1; WO2006064294A1; WO2024079595A1; US9011617B2; US9358769B2

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